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United States Department of Agriculture,

WASHINGTON, D. C., *February 28, 1914.*

MONTHLY LIST OF PUBLICATIONS.

[FEBRUARY, 1914.]

No publications are sold by the Department of Agriculture.

Copies of publications listed herein will be sent free upon application to the Editor and Chief, Division of Publications, Department of Agriculture, Washington, D. C., as long as the supply lasts.

When the Department's supply is exhausted applicants will be referred to the Superintendent of Documents, Government Printing Office, Washington, D. C., and all remittances should be sent to him.

SERIALS.

Journal of Agricultural Research, vol. 1, No. 5. February, 1914. Contents: The Presence of Some Benzene Derivatives in Soils. By Edmund C. Shorey.—Indicator Significance of Vegetation in Tooele Valley, Utah. By T. H. Kearney, L. J. Briggs, H. L. Shantz, J. W. McLane, and R. L. Piemeisel.—Citropsis, a New Tropical African Genus Allied to Citrus. By Walter T. Swingle and Maude Kellerman.—Winter Spraying with Solutions of Nitrate of Soda. By W. S. Ballard and W. H. Volck. Pp. 357-444, pls. 42-50, figs. 20. Price, 25 cents.

NOTE.—THE JOURNAL OF AGRICULTURAL RESEARCH will be distributed free *only* to the libraries of agricultural colleges and experiment stations, to large universities, technical schools, and such institutions as make suitable exchanges with the department: It will not be sent free to individuals. The superintendent of documents will receive subscriptions for this publication, the price being \$2.50 per volume of 12 numbers.

Experiment Station Record, Vol. XXIX, No. 8, December, 1913. E. W. Allen, Ph. D., Editor. Pp. 701-800. Price, 15 cents.

Same, Vol. XXIX, No. 9, abstract number. Pp. 801-900. Price, 15 cents.

The record contains numerous abstracts of the publications of the agricultural experiment stations and kindred institutions in this and other countries, articles and editorials on topics of special interest in agricultural science by American and foreign experts, and notes on the experiment stations. The superintendent of documents has fixed the price of this serial, which is now issued in two volumes a year, nine numbers each, at \$1 a volume.

SERVICE AND REGULATORY ANNOUNCEMENTS.

NOTE.—Contain information, instructions, and notices of a regulatory nature. Issued monthly by certain Bureaus. Free distribution limited to individuals, firms, establishments, and journals especially concerned. Others desiring copies may obtain them from the Superintendent of Documents, Government Printing Office, at 5 cents each.

Bureau of Animal Industry. January, 1914. Pp. 18.

Bureau of Chemistry. January, 1914. Pp. 19.

SOIL SURVEYS.

- Soil Survey of Warren County, Mississippi. By W. E. Tharp, of the U. S. Department of Agriculture, and W. M. Spann, of the Mississippi Geological Survey. Pp. 50, fig. 1, map. (From F. O. Soils, 1912.) Price, 15 cents.
- Soil Survey of Cass County, Missouri. By H. H. Krusekopf, of the University of Missouri, and Floyd S. Bucher, of the U. S. Department of Agriculture. Pp. 28, fig. 1, map. (From F. O. Soils, 1912.) Price, 15 cents.
- Soil Survey of Barnes County, North Dakota. By L. C. Holmes and J. E. Dunn, of the U. S. Department of Agriculture, and Herbert A. Hard, A. C. Anderson, Wm. Rommel, and A. C. Boucher, of the Agricultural and Economic Geological Survey of North Dakota. Pp. 47, fig. 1, map. (From F. O. Soils, 1912.) Price, 15 cents.
- Soil Survey of the Hood River-White Salmon River Area, Oregon-Washington. By A. T. Strahorn and E. B. Watson. Pp. 45, pls. 5, fig. 1, map. (From F. O. Soils, 1912.) Price, 15 cents.
- Soil Survey of Preston County, West Virginia. By W. J. Latimer. Pp. 43, figs. 2, map. (From F. O. Soils, 1912.) Price, 15 cents.

BULLETINS.

- White Pine Under Forest Management. By E. H. Frothingham, Forest Examiner. Pp. 70, pls. 7. Contribution from the Forest Service. Feb. 24, 1914. (Department Bulletin 13.) Price, 15 cents.

This bulletin summarizes the most important facts relative to white pine, with regard both to the original forests and to the second growth. Tables show the value of stumpage at prevailing prices and the profit or loss resulting from the management of second growth under favorable and unfavorable conditions. Methods are also suggested for securing successive crops and for increasing the quantity and quality of the yield.

- The Migratory Habit of the Housefly Larvae as Indicating a Favorable Remedial Measure. An Account of Progress. By Robert H. Hutchison, Scientific Assistant. Pp. 11. Contribution from the Bureau of Entomology. (Professional Paper.) Feb. 28, 1914. (Department Bulletin 14.) Price, 5 cents.

This bulletin makes known a newly discovered habit of the housefly larvae that can be utilized as the basis for a new method for a greater control of the housefly. It is of special interest to entomologists, sanitarians, and health officers.

- Water Supply, Plumbing, and Sewage Disposal for Country Homes. By Robert W. Trullinger, Rural Engineer. Pp. 46, figs. 38. Contribution from the Office of Experiment Stations. Feb. 21, 1914. (Department Bulletin 57.) Price, 10 cents.

This paper treats of farm home sanitation relating to water supplies, the safeguarding of the same against contamination, and the safe disposal of sewage; it is of interest to farmers in all sections of the country.

- Five Important Wild-Duck Foods. By W. L. McAtee, Assistant Biologist. Pp. 19, figs. 15. Contribution from the Bureau of Biological Survey. Feb. 7, 1914. (Department Bulletin 58.) Price, 5 cents.

This bulletin is supplementary to Circular 81, Biological Survey, which treats of wild rice, wild celery, and pondweeds as food for wild fowl, adding five other plants of great intrinsic value which though now of only local importance are suitable for propagation over most of the United States. It shows that there is no reason why the delta duck potato, the wapato, the chufa, wild millet, and the banana water lily should not be introduced and take rank among staple foods of wild ducks in many localities where now unknown.

- The Relation of Cotton Buying to Cotton Growing. By O. F. Cook, Biologist in Charge of Crop Acclimatization and Adaptation Investigations. Pp. 21. Contribution from the Bureau of Plant Industry. Feb. 16, 1914. (Department Bulletin 60.) Price, 5 cents.

This bulletin investigates the relations existing between the cotton growers and the cotton buyers and manufacturers, in the hope of making clear to them that the present methods of buying tend rather to discourage the planting of better varieties, and the taking of those precautions which are necessary to produce superior fiber. The bulletin recommends certain reforms in the commercial world, that would develop a better system of production than the present very defective one.

Potato Wilt, Leaf-Roll, and Related Diseases. By W. A. Orton, Pathologist in Charge of Cotton and Truck Diseases and Sugar-Plant Investigations. Pp. 48, pls. 16. Contribution from the Bureau of Plant Industry. (Professional Paper.) Feb. 10, 1914. (Department Bulletin 64.) Price, 15 cents.

This paper is of interest to plant pathologists; it is suited to the potato-growing sections of the North, West, and South.

Cerebrospinal Meningitis ("Forage Poisoning"). By John R. Mohler, V. M. D., Chief of the Pathological Division. Pp. 14. Contribution from the Bureau of Animal Industry. (Professional Paper.) Feb. 14, 1914. (Department Bulletin 65.) Price, 5 cents.

This publication gives information about a serious disease of horses; it is especially suited to veterinarians in the States west of the Mississippi River and in the South.

Pasture and Grain Crops for Hogs in the Pacific Northwest. By Byron Hunter, Agriculturist, Office of Farm Management. Pp. 27, figs. 9. Contribution from the Bureau of Plant Industry. Feb. 25, 1914. (Department Bulletin 68.) Price, 5 cents.

This publication is intended to encourage hog raising in the Pacific Northwest; it is especially adapted to Washington, Oregon, and Idaho.

Inventory of Seeds and Plants Imported by the Office of Seed and Plant Introduction during the period from April 1 to June 20, 1912. Pp. 98. (Bureau of Plant Industry, Inventory No. 31. Nos. 33279 to 34092.) Price, 15 cents.

FARMERS' BULLETINS.

Sugar-Beet Growing Under Irrigation. By C. O. Townsend, Pathologist, Cotton and Truck Disease and Sugar-Plant Investigations. Pp. 26, figs. 5. Contribution from the Bureau of Plant Industry. Feb. 14, 1914. (Farmers' Bulletin 567.)

This bulletin considers the conditions and cultural methods employed in those areas where there is an insufficient rainfall for the profitable production of sugar beets, and is of interest mainly to residents of central, western, and southwestern portions of the United States. This area varies, shifting now east, now west, with the seasonal changes in climatic condition.

Sugar-Beet Growing Under Humid Conditions. By C. O. Townsend, Pathologist, Cotton and Truck Disease and Sugar-Plant Investigations. Pp. 20, figs. 4. Contribution from the Bureau of Plant Industry. Feb. 6, 1914. (Farmers' Bulletin 568.)

The bulletin is of special interest to sugar-beet growers in the East, the Ohio Valley, the Upper Mississippi Valley, and the Lake Region, where the rainfall is such as to make irrigation unnecessary. The subject of sugar-beet growing in humid climate is entirely covered in this bulletin.

Tobacco Culture. By W. W. Garner, Physiologist in Charge of Tobacco and Plant-Nutrition Investigations. Pp. 15, figs. 4. Contribution from the Bureau of Plant Industry. Feb. 27, 1914. (Farmers' Bulletin 571.)

Practical directions for making the seed bed, preparing the land, transplanting, cultivating, and harvesting the several classes of tobacco in the established tobacco-growing districts.

The Agricultural Outlook. Contribution from the Bureau of Statistics. Feb. 7, 1914. Live Stock of the United States. Pp. 43. (Farmers' Bulletin 575.)

The Contents of this bulletin relate principally to estimates of the supply of live stock of specified classes on farms in the United States on January 1, 1914, the average farm price per head, and the estimated total value of each class. The number and value of farm animals is compared with population, and some causes of the shortage of meat animals and the increase in their value are given.

PUBLICATIONS OF THE WEATHER BUREAU.

Publications of the Weather Bureau are obtainable only from the Chief of the Weather Bureau or the Superintendent of Documents, Government Printing Office, at the prices noted herein.

Bulletin of the Mount Weather Observatory, vol. 6, pt. 3. Pp. 61-103, figs. 14. (W. B. No. 524.) Price, 25 cents.

Monthly Weather Review, vol. 41, No. 11, November, 1913. Pp. 1639-1797, maps 2, charts 7. (W. B. No. 523.) Price, 35 cents; \$4 a year.



Snow and Ice Bulletins for February 3, 10, 17, 24, 1914. These bulletins are issued weekly during the winter season, based upon data from regular Weather Bureau stations, supplemented by reports from selected cooperative observers. Price, 25 cents a year.

National Weekly Weather Bulletin No. 2, for February, 1914, reporting temperature and rainfall, with a summary of weather conditions throughout the United States. (Weekly April-September, Monthly remainder of year.) Price, 25 cents a year.

JOS. A. ARNOLD,
Editor and Chief Division of Publications.

